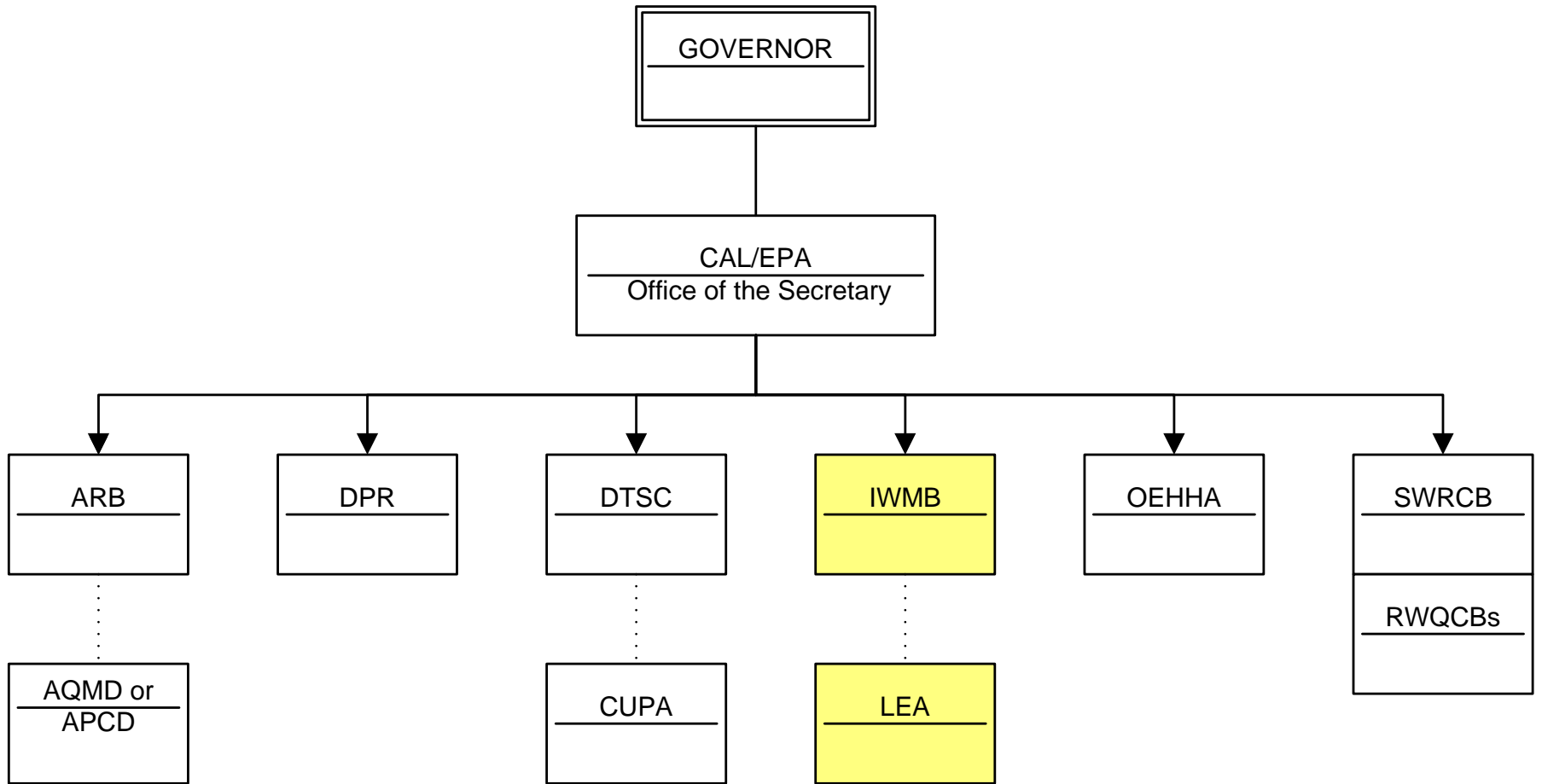


Pacific Southwest Organic Residuals Symposium

October 1, 2008

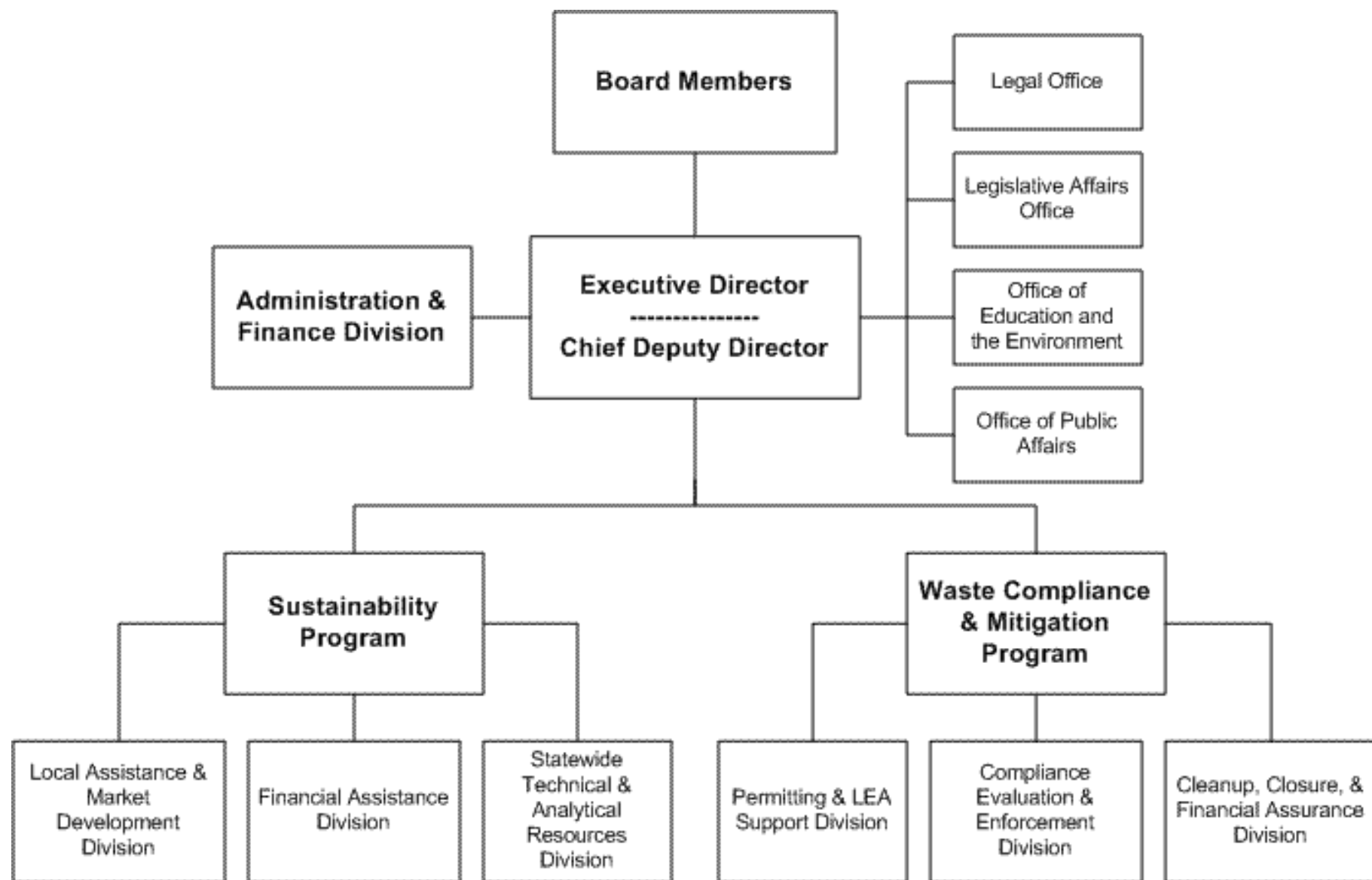
ORGANIC RESIDUALS: ESTABLISHING NET ENVIRONMENTAL BENEFITS

AGENCY OVERVIEW



CIWMB OVERVIEW

- Assembly Bill 939 (Sher), Statutes of 1989, Chapter 1095
 - Diversion:
 - 25% by 1995
 - 50% by 2000
 - Promote:
 1. Source reduction
 2. Recycling and composting
 3. Environmentally safe transformation and disposal



CIWMB REGULATORY OVERSIGHT

- Disposal Sites (Landfills)
 - Active
 - Closed
- Transfer Stations
 - Material Recovery Facility (MRF)
 - Transformation (thermal waste-to-energy)
- Composting
 - Aerobic (windrow)
 - Anaerobic (digester)

CIWMB REGULATIONS UNDER REVIEW

1. Emerging Technologies
 - + Anaerobic digestion
2. Beneficial Reuse
3. Alternative Daily Cover
4. Food Waste
5. 3-Part Test
6. Agricultural Composting

CIWMB TIERED STRUCTURE

FULL
STANDARDIZED
REGISTRATION
EA NOTIFICATION
EXCLUDED

CIWMB TIERED STRUCTURE

Subject
to state
minimum
standards

FULL
STANDARDIZED
REGISTRATION
EA NOTIFICATION
EXCLUDED

CIWMB TIERED STRUCTURE

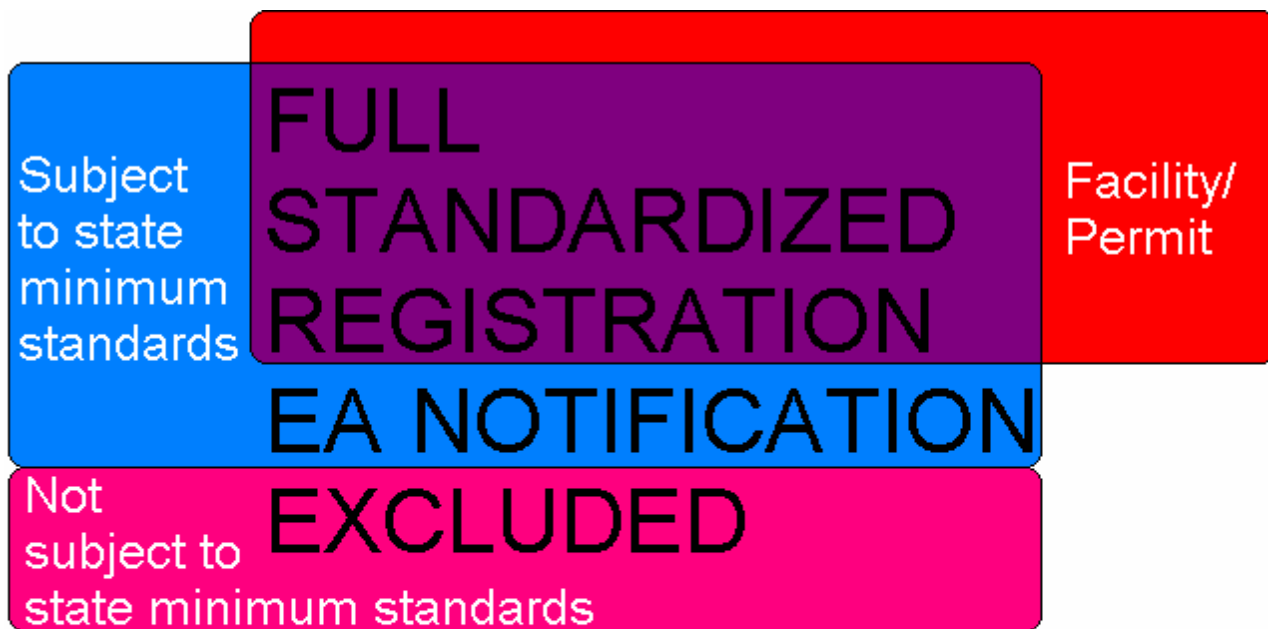
Subject
to state
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**FULL
STANDARDIZED
REGISTRATION
EA NOTIFICATION**

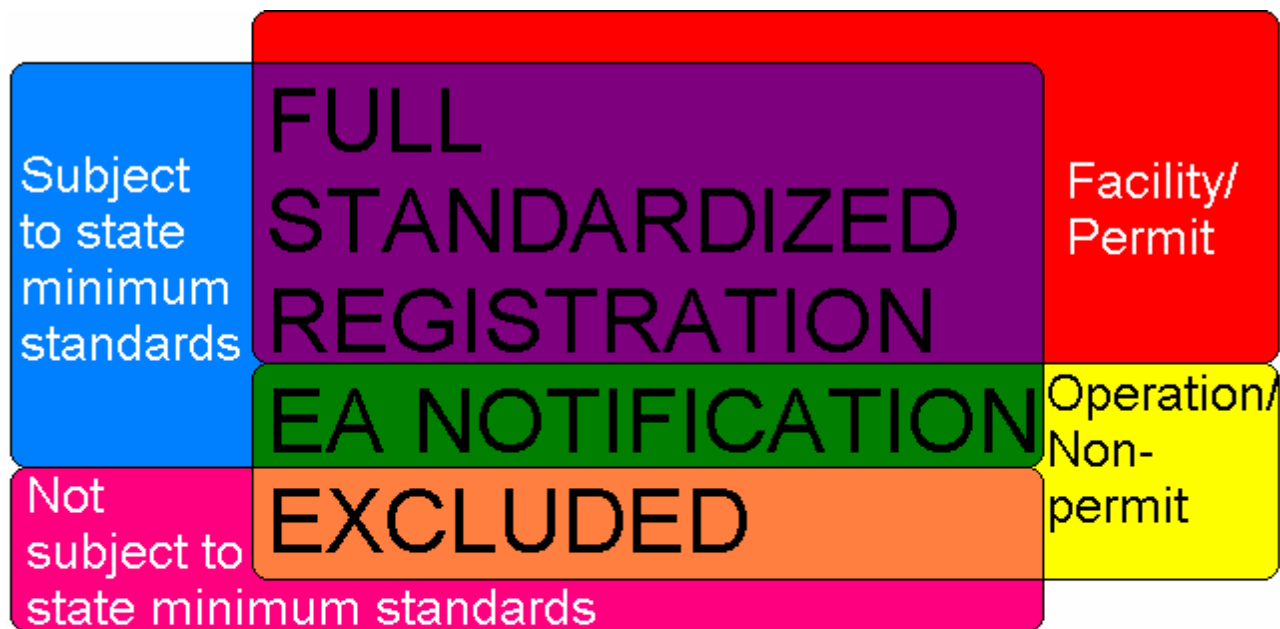
Not
subject to
state minimum standards

EXCLUDED

CIWMB TIERED STRUCTURE



CIWMB TIERED STRUCTURE



AREAS OF COMMON INTEREST (W/ OTHER AGENCIES)

COMMON INTERESTS

✕ Climate Action Team

1. Land Use
2. Green Building
3. Research
4. Economics
5. Agricultural
6. Recycling & Waste Management (Chair)

COMMON INTERESTS (CONT.)

- ✖ Assembly Bill 32 (Nunez), Statutes of 2006, Chapter 488 –
“California Global Warming Solutions Act of 2006”
 - + Discrete Early Action Measures
 - + Scoping Plan
 - ✖ Increase Compost Production & Markets
 - ★ 50% diversion of organics by 2020 (CIWMB Strategic Directive 6.1)
 - ★ Life Cycle Analysis
 - ✖ Beneficial offsets of organics diversion
 - ✖ Economic analysis
 - ✖ GHG decision-making tool
 - ✖ Anaerobic Digestion
 - ✖ Watershed-Friendly Landscape Guidelines

COMMON INTERESTS (CONT.)

× Projects

- + Permit Guidance For Anaerobic Digesters And Co-Digesters
- + Increasing Siting and Capacity Organic Diversion Facilities
- + Caltrans Compost Specifications
- + Compost Best Management Practices
- + Compost BMP/Infrastructure Survey
- + Solid Waste Facility Infrastructure
- + Compost Cover at Landfills
- + Agricultural Compost Specifications
- + Anaerobic Digestion
 - × Landfill in situ
 - × Conventional
- + Post-MRF Residual to Fuel

COMMON INTERESTS (CONT.)

✕ Agency Rules

+ Air

- ✕ South Coast AQMD, Rule 1133 series
- ✕ San Joaquin Valley APCD, Rule 4565 and 4566 (proposed)
- ✕ Mojave Desert AQMD
- ✕ Bay Area AQMD

COMMON INTERESTS (CONT.)

✕ Agency Rules (cont.)

+ Water

✕ Central Valley RWQCB

- ✧ Program EIR for dairy digesters

✕ San Diego RWQCB

- ✧ Conditional Waiver of Waste Discharge Requirements

✕ State Water Resources Control Board

- ✧ General Waste Discharge Requirements for Green Waste Composting

COMMON INTERESTS (CONT.)

✕ Agency Rules (cont.)

+ Agriculture

✕ California Department of Food and Agriculture

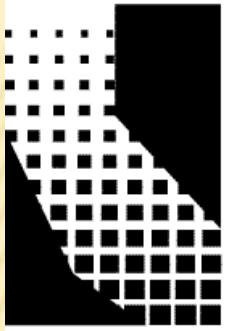
✱ Disposal

- ✕ Proclaimed emergencies

- ✕ Normal mortality

✱ Food Safety

✱ Pest Management



CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

INTEGRATED WASTE MANAGEMENT BOARD

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